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2024 F-150

Specs

Key product specifications include vehicle dimensions and capacities, detailed powertrain information, transmission gear ratios and more.

2024 F-150 > Specs

Dimensions/Weights/Capacities

Accessory Reserve Capacity (ARC) Calculation
Base Curb Weight
Fuel Tank Capacity
Gross Axle Weight
Gross Axle Weight Rating (GAWR)
Gross Combination Weight (GCW)
Gross Combination Weight Rating (GCWR)
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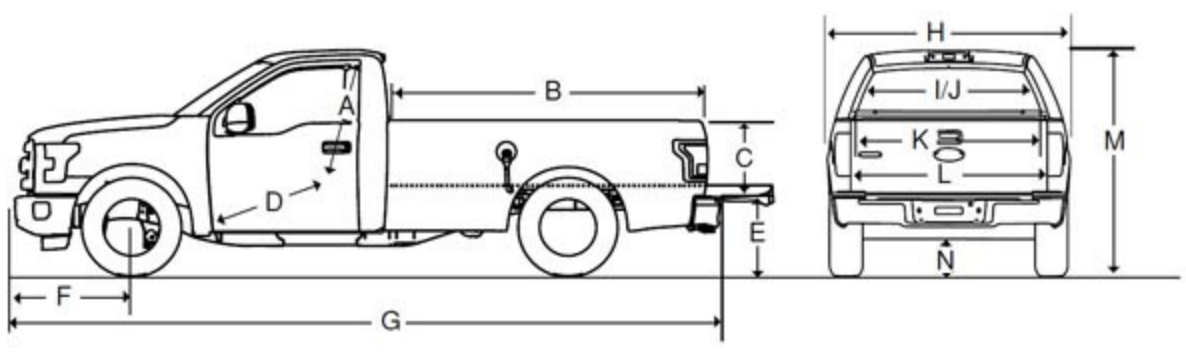
Regular Cab Dimensions



Drive		4x2		4x4	
Cargo Box (ft.)		6.5	8.0	6.5	8.0
Wheelbase (in.)		122.8	141.5	122.8	141.5
Code	Description (in.)				
A	Head Room	40.8	40.8	40.8	40.8
B	Inside Length(1) (at floor)	78.9	97.6	78.9	97.6
C	Inside Height(1)	21.4	21.4	21.4	21.4
D	Leg Room (maximum)	43.9	43.9	43.9	43.9
E	Open Tailgate to Ground (Empty)(2)	33.9	33.9	35.7	35.6
F	Front Overhang	37.6	37.6	37.6	37.6
	Rear Overhang	48.6	48.6	48.6	48.6
G	Overall Length	209.1	227.7	209.1	227.7
	Front Bumper to Back of Cab	121.4	121.4	121.4	121.4
H	Width (Max.) (excluding mirrors)	79.9	79.9	79.9	79.9
I	Shoulder Room	66.7	66.7	66.7	66.7
J	Hip Room	62.5	62.5	62.5	62.5
K	Width Between Wheelhouses(1)	50.6	50.6	50.6	50.6
L	Max. Load Width(1) (at floor)	60.3	60.3	60.3	60.3
M	Cab Height (Empty)(2)	75.6	75.2	77.0	77.0
N	Ground Clearance	8.7	8.3	9.4	9.4
	Track Width — Front	67.9	67.9	67.9	67.9
	Track Width — Rear	68.3	68.3	68.3	68.3

(1) Pickup box. Also refer to Pickup Box Dimensions.

(2) The height data shown represents dimensions of a nominal vehicle with no options. Actual height may vary due to production tolerances.

NOTE: Specifications and descriptions contained within are based upon the most current information available at the time of release. Content subject to change.

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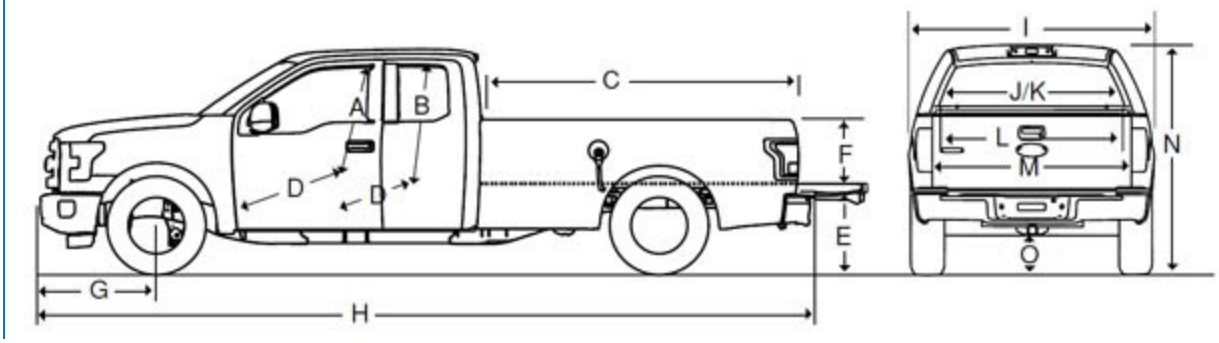
SuperCab Dimensions



Drive		4x2		4x4	
Cargo Box (ft.)		6.5	8.0	6.5	8.0
Wheelbase (in.)		145.4	164.1	145.4	164.1

Code	Description (in.)				
A	Head Room (Front)	40.8	40.8	40.8	40.8
B	Head Room (Rear)	40.3	40.3	40.3	40.3
C	Inside Length(1) (at floor)	78.9	97.6	78.9	97.6
D	Leg Room (Front) (maximum)	43.9	43.9	43.9	43.9
	Leg Room (Rear)	33.5	33.5	33.5	33.5
E	Open Tailgate to Ground (Empty)(2)	33.1	33.8	35.0	35.2
F	Inside Height(1)	21.4	21.4	21.4	21.4
G	Front Overhang	37.6	37.6	37.6	37.6
	Rear Overhang	48.6	48.6	48.6	48.6
H	Overall Length	231.7	250.3	231.7	250.3
	Front Bumper to Back of Cab	144.0	144.0	144.0	144.0
I	Width (Max.) (excluding mirrors)	79.9	79.9	79.9	79.9
J	Shoulder Room (Front)	66.7	66.7	66.7	66.7
	Shoulder Room (Rear)	66.1	66.1	66.1	66.1
K	Hip Room (Front)	62.5	62.5	62.5	62.5
	Hip Room (Rear)	62.6	62.6	62.6	62.6
L	Width Between Wheelhouses(1)	50.6	50.6	50.6	50.6
M	Max. Load Width(1) (at floor)	60.3	60.3	60.3	60.3
N	Cab Height (Empty)(2)	75.5	75.6	77.2	77.1
O	Ground Clearance	8.4	8.2	9.4	8.7
	Track Width — Front	67.9	67.9	67.9	67.9
	Track Width — Rear	68.3	68.3	68.3	68.3

(1) Pickup box. Also refer to Pickup Box Dimensions.

(2) The height data shown represents dimensions of a nominal vehicle with no options. Actual height may vary due to production tolerances.

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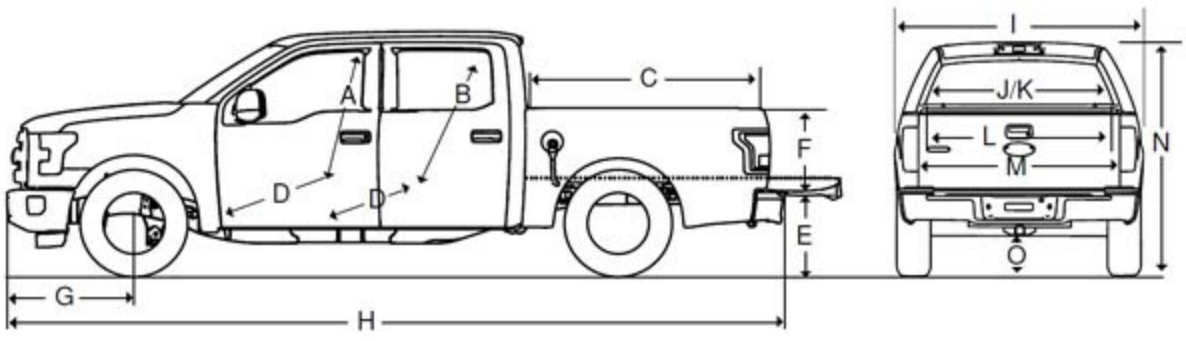
2024 F-150 > Specs > Dimensions/Weights/Capacities

SuperCrew Dimensions



Drive	4x2	4x4

Cargo Box (ft.)		5.5	6.5	5.5	6.5	5.5 Tremor	5.5 Raptor (35"/37" tire)
Wheelbase (in.)		145.4	157.2	145.4	157.2	145.6	145.4
Code	Description (in.)						
A	Head Room (Front)	40.8	40.8	40.8	40.8	40.8	40.8
B	Head Room (Rear)	40.4	40.4	40.4	40.4	40.4	40.4
C	Inside Length(1) (at floor)	67.1	78.9	67.1	78.9	67.1	67.1
D	Leg Room (Front) (maximum)	43.9	43.9	43.9	43.9	43.9	43.9
	Leg Room (Rear)	43.6	43.6	43.6	43.6	43.6	43.6
E	Open Tailgate to Ground (Empty)(2)	32.9	33.8	34.9	35.8	37.4	37.0/37.8
F	Inside Height(1)	21.4	21.4	21.4	21.4	21.4	21.4
G	Front Overhang	37.6	37.6	37.6	37.6	37.6	37.0
	Rear Overhang	48.6	48.6	48.6	48.6	48.5	50.2
H	Overall Length	231.7	243.5	231.7	243.5	231.7	232.6
	Front Bumper to Back of Cab	155.8	155.8	155.8	155.8	155.8	154.9
I	Width (Max.) (excluding mirrors)	79.9	79.9	79.9	79.9	79.9	79.8/80.7
J	Shoulder Room (Front)	66.7	66.7	66.7	66.7	66.7	66.6
	Shoulder Room (Rear)	66.0	66.0	66.0	66.0	66.0	65.8
K	Hip Room (Front)	62.5	62.5	62.5	62.5	62.5	62.5
	Hip Room (Rear)	62.6	62.6	62.6	62.6	62.6	62.6
L	Width Between Wheelhouses(1)	50.6	50.6	50.6	50.6	50.6	50.6
M	Max. Load Width(1) (at floor)	60.3	60.3	60.3	60.3	60.3	65.2
N	Cab Height (Empty)(2)	75.6	75.8	77.2	77.6	79.3	79.8/80.7
O	Ground Clearance	8.5	8.2	9.4	8.8	9.4	12.0/13.1
	Approach Angle (degrees)	—	—	—	—	27.6	31.0/33.1
	Breakover/Ramp Angle (degrees)	—	—	—	—	21.2	22.7/24.4
	Departure Angle (degrees)	—	—	—	—	24.3	23.9/24.9
	Track Width — Front	67.9	67.9	67.9	67.9	68.5	74.0/74.3
	Track Width — Rear	68.3	68.3	68.3	68.3	69.1	73.6/73.9

(1) Pickup box. Also refer to Pickup Box Dimensions.

(2) The height data shown represents dimensions of a nominal vehicle with no options. Actual height may vary due to production tolerances.

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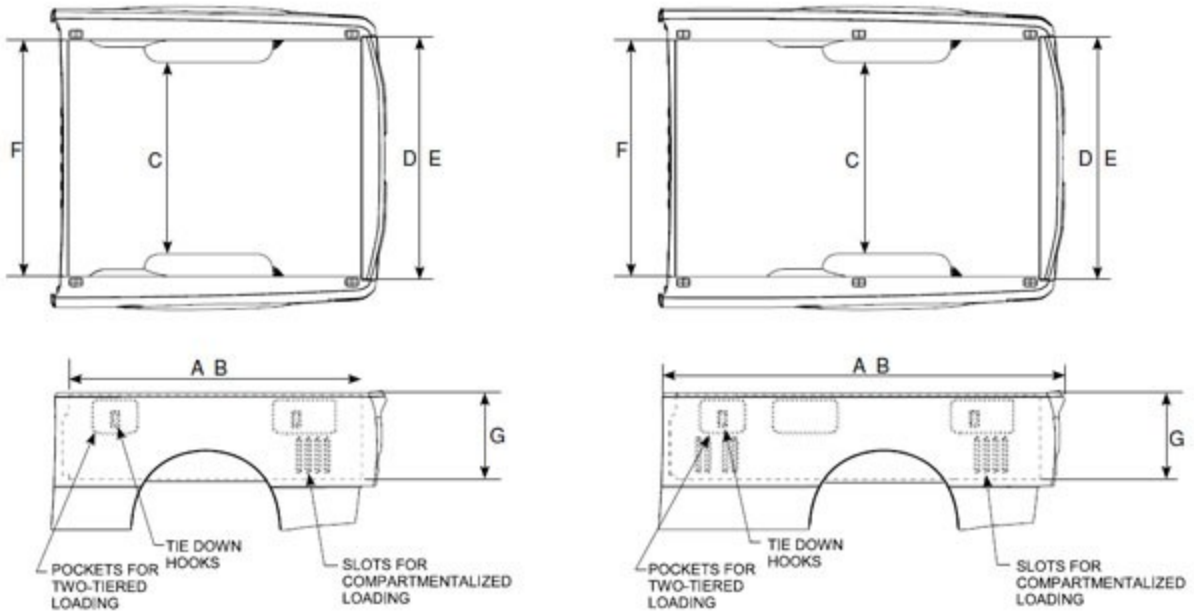
Pickup Box Dimensions



Box Size (ft.)		5.5[1]	6.5[2]	8.0[3]
Cargo Volume (cu. ft.)		52.8	62.3	77.4
Code	Description (in.)			
A	Cargo Box Inside Length @ Floor	67.1	78.9	97.6
B	Cargo Box Length @ Top	65.4	77.2	95.9
C	Cargo Width @ Wheelhouse	50.6	50.6	50.6
D	Rear Opening Width @ Floor	60.3	60.3	60.3
E	Rear Opening Width @ Top	60.3	60.3	60.3
F	Cargo Body Maximum Inside Width	65.2	65.2	65.2
G	Cargo Body Height with Molding	21.4	21.4	21.4

(1) On 145.4"/145.6" (Tremor only) wheelbase SuperCrew.

(2) On 122.8" wheelbase Regular Cab, 145.0" wheelbase SuperCab and 157.2" wheelbase SuperCrew.

(3) On 141.5" wheelbase Regular Cab and 164.1" wheelbase SuperCab.

NOTE: Specifications and descriptions contained within are based upon the most current information available at the time of release. Content subject to change.

2024 F-150 > Specs > Dimensions/Weights/Capacities

Interior Volume

REGULAR CAB

Cab Position	Volume (cu. ft.)
Front Passenger	64.7
Cargo Volume Behind First Row	8.8

SUPERCAB

Cab Position	Volume (cu. ft.)	
	6.5-ft. box	8.0-ft. box
Front Passenger	64.7	64.7
Rear Passenger	51.6	51.6
Total Passenger	116.3	116.3
Cargo Volume Behind First Row Rear-seat Cushion Folded Up	30.6	30.6

SUPERCREW

Cab Position	Volume (cu. ft.)	
	5.5-ft. box	6.5-ft. box
Front Passenger	64.7	64.7
Rear Passenger	67.2	67.2
Total Passenger	131.9	131.9
Cargo Volume Behind First Row Rear-seat Cushion Folded Up	50.9	50.9

NOTE: Specifications and descriptions contained within are based upon the most current information available at the time of release. Content subject to change.

2024 F-150 > Specs > Dimensions/Weights/Capacities

Fuel Tank Capacity

REGULAR CAB

Wheelbase (in.)	Location	Capacity (gal.)
		Standard
122.8 (4x2/4x4)	Midship	23.0
141.5 (4x2/4x4)	Midship	36.0

SUPERCAB

Wheelbase (in.)	Location	Capacity (gal.)
		Standard
145.4 (4x2/4x4)	Midship	36.0
164.1 (4x2/4x4)	Midship	36.0

SUPERCREW

Wheelbase (in.)	Location	Capacity (gal.)	
		Standard	Available
145.4[1] (4x2/4x4)	Midship	36.0	30.6 (3.5L PowerBoost only)

157.2 (4x2/4x4)	Midship	36.0	30.6 (3.5L PowerBoost only)

(1) Includes 145.6" WB on Tremor 4x4.

NOTE: Specifications and descriptions contained within are based upon the most current information available at the time of release. Content subject to change.

2024 F-150 > **Specs** > **Dimensions/Weights/Capacities** > Weight Ratings

Weight Ratings — 4x2

Cab Style/Drive/ WB (in.)	Engine	Max. GVWR (lbs.)	Max. Payload[1] (lbs.)	Max. Total ARC Weight[2] (lbs.)	Max. GAWR[3] (lbs.)		Base Curb Weight (lbs.)		
					Front	Rear	Front	Rear	Total
Regular Cab 4x2 122.8	5.0L PFDI	6,250	1,810	520	3,000	3,800	2,526	1,865	4,391
Regular Cab 4x2 141.5	2.7L EcoBoost	6,220	1,775	549	3,150	3,400	2,590	1,806	4,396
	5.0L PFDI	6,800	2,180	551	3,800	3,800	2,702	1,872	4,574
	3.5L EcoBoost	7,100	2,445	533	3,150	4,150	2,670	1,936	4,606
SuperCab 4x2 145.4	2.7L EcoBoost	6,365	1,675	673	3,300	3,400	2,699	1,972	4,641
	5.0L PFDI	6,940	2,200	705	3,375	3,800	2,750	1,942	4,692
	3.5L EcoBoost	6,900	2,065	700	3,300	3,800	2,708	2,077	4,785
SuperCrew 4x2 145.4	2.7L EcoBoost	6,426	1,690	795	3,375	3,400	2,696	1,991	4,687
	5.0L PFDI	6,850	2,030	787	3,450	3,800	2,765	2,004	4,769
	5.0L PFDI[4]	7,100	2,230	777	3,450	4,150	2,765	2,054	4,819
	3.5L EcoBoost	6,800	1,905	779	3,450	3,800	2,729	2,115	4,844
	3.5L EcoBoost[4]	7,100	2,115	734	3,450	4,150	2,729	2,165	4,894

(1) Load rating represents maximum allowable weight of people, cargo and body equipment and is reduced by available equipment weight.

(2) Total ARC Weight is the maximum allowable weight for regular production options (OPT) and aftermarket equipment. Accessory Reserve Capacity (ARC) for models with standard equipment and the engine/transmission combination indicated.

(3) Gross Axle Weight Rating (GAWR) is determined by the rated capacity of the minimum component of the axle system (axle, computer selected springs, wheels, tires) of a specific vehicle. Front and rear GAWRs will, in all cases, sum to a number equal to or greater than the GVWR for the particular vehicle. Maximum loaded vehicle (including passengers, equipment and payload) cannot exceed the GVWR.

(4) When equipped with Tow/Haul Package (53T).

NOTE: Refer to Standard Equipment for Standard Powertrain/Chassis Equipment Specifications.

NOTE: Specifications and descriptions contained within are based upon the most current information available at the time of release. Content subject to change.

Weight Ratings — 4x4

Cab Style/Drive/ WB (in.)	Engine	Max. GVWR (lbs.)	Max. Payload(1) (lbs.)	Max. Total ARC Weight(2) (lbs.)	Max. GAWR(3) (lbs.)		Base Curb Weight (lbs.)		
					Front	Rear	Front	Rear	Total
Regular Cab 4x4 122.8	5.0L PFDI	6,450	1,745	530	3,150	3,800	2,773	1,882	4,655
Regular Cab 4x4 141.5	2.7L EcoBoost	6,450	1,720	566	3,300	3,400	2,858	1,821	4,679
	5.0L PFDI	7,000	2,125	614	3,375	3,800	2,910	1,916	4,826
	3.5L EcoBoost	7,100	2,180	537	3,375	4,150	2,857	2,011	4,868
SuperCab 4x4 145.4	2.7L EcoBoost	6,550	1,605	717	3,525	3,400	2,929	1,966	4,895
	5.0L PFDI	7,100	2,100	750	3,600	3,800	2,952	1,996	4,948
	3.5L EcoBoost	7,100	2,010	705	3,525	3,800	2,925	2,113	5,038
SuperCrew 4x4 145.4	2.7L EcoBoost	6,650	1,655	789	3,600	3,400	2,930	2,011	4,941
	3.5L EcoBoost	7,100	1,950	786	3,750	3,800	2,956	2,140	5,096
	3.5L EcoBoost(4)	7,100	1,950	786	3,750	4,150	2,956	2,140	5,096
	3.5L PowerBoost V6 Full Hybrid	7,400	1,755	778	3,900	4,150	3,261	2,324	5,585
SuperCrew 4x4 145.6 (Tremor; late avail.)	3.5L EcoBoost	7,050	1,735	548	3,750	3,800	3,025	2,235	5,260
	5.0L PFDI	7,100	1,780	548	3,750	3,800	3,056	2,211	5,267
SuperCrew 4x4 145.4 (Raptor std.)	H.O. 3.5L EcoBoost	7,350	1,425	387	3,800	3,850	3,330	2,533	5,863
SuperCrew 4x4 145.4 (Raptor 37)	H.O. 3.5L EcoBoost	7,400	1,405	348	3,800	3,900	3,369	2,563	5,932
SuperCrew 4x4 145.4 (Raptor R)	5.2L Supercharged V8	7,500	1,410	277	3.900	3,925	3,469	2,554	6,023
SuperCrew 4x4 157.2	5.0L PFDI	7,200	2,025	788	3,900	3,800	3,115	2,007	5,122
	5.0L PFDI(4)	7,200	2,025	788	3,900	4,150	3,115	2,007	5,122
	3.5L EcoBoost	7,200	2,005	791	3,750	3,800	3,023	2,120	5,143
	3.5L EcoBoost(4)	7,200	2,005	791	3,750	4,150	3.023	2,120	5,143
	3.5L EcoBoost V6 Full Hybrid	7,400	1,735	872	4,011	4,150	3,340	2,268	5,608

(1) Load rating represents maximum allowable weight of people, cargo and body equipment and is reduced by available equipment weight.

(2) Total ARC Weight is the maximum allowable weight for regular production options (OPT) and aftermarket equipment. Accessory Reserve Capacity (ARC) for models with standard equipment and the engine/transmission combination indicated.

(3) Gross Axle Weight Rating (GAWR) is determined by the rated capacity of the minimum component of the axle system (axle, computer selected springs, wheels, tires) of a specific vehicle. Front and rear GAWRs will, in all cases, sum to a number equal to or greater than the GVWR for the particular vehicle. Maximum loaded vehicle (including passengers, equipment and payload) cannot exceed the GVWR.

(4) When equipped with Tow/Haul Package (53T).

NOTE: Refer to Standard Equipment for Standard Powertrain/Chassis Equipment Specifications.

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2024 F-150 > Specs

Standard Equipment

F-150 4x2 Pickup

F-150 4x4 Pickup

2024 F-150 > Specs > Standard Equipment

F-150 4x2 Pickup

POWERTRAIN:		Refer to the Order Guide for 50 States Usage
Engine	Type	2.7L EcoBoost V6
Transmission	Type	10-speed automatic with Selectable Drive Modes
AXLES:		
Front Axle	Type	Long-spindle, double-wishbone, coil-over-shock IFS
	Gross Axle Weight Rating (GAWR) (lbs.)	3,300-3,375
Rear Axle	Type	Semi-floating
	Gross Axle Weight Rating (GAWR) (lbs.)	3,400
BRAKES:		
Front/Rear Disc	Type	Vented with Nitro Tough Iron, twin-piston front and single-piston rear caliper
	Rotor Diameter — Front/Rear	13.8"/13.7" 350 mm/336 mm
Anti-Lock Brake System		4-wheel (4-channel with electronic brakeforce distribution)
Parking Brake		Electric (rear)
ELECTRICAL:		
Alternator	Rating	200-amp
Battery	Type	Maintenance-free (Battery Saver System standard)
	Rating	70-AH, 610 CCA; 80-AH, 730 CCA
Harnesses	Type	3-pin connector
FUEL TANK:	Capacity	23.0 gal.
JACK:	Capacity	2 tons
STEERING:	Type	Power, rack-and-pinion; electric power-assist
	Ratio	20.4:1 (122.8" and 141.5" WB) 17.4:1 (145.4", 157.2" and 164.1" WB)
SUSPENSION:		

Frame	Type	Fully boxed, modular high-strength steel with 8 cossmembers that are welded on both sides
	Section Modulus (cu. in.)	See frame specifications
Springs, Front	Type	Coil, computer selected
Springs, Rear	Type	Leaf, two-stage variable-rate, computer selected
Shock Absorbers	Gas-pressurized Monotube — Front/Rear	1.1"/1.1" 28 mm/28mm
Stabilizer Bar	Position/Diameter/Type	Front/27.0 mm/solid(1)
TIRES:	Type	Steel-belted radial all-season less 8,200-lb. GVWR; steel-belted radial all-terrain with 8,200-lb. GVWR
	Size	Four 235/75Rx17 less 8,200-lb. GVWR; four LT245/75R17E with 8,200-lb. GVWR
	Spare Tire Carrier	Rear underframe, winch-type with safety catch (locking-type, lock cylinder in rear bumper opened by ignition key)
WHEELS:	Type and Size	Four 17" x 7.5" gray styled steel (6-hole disc) or 17" x 7.5" 7-lug steel (7-hole disc) with 8,200-lb. GVWR

(1) Stabilizer bar changes to a hollow 25.4 mm with any configuration that includes the 2.7L EcoBoost V6 engine and 3,400 RGAWR.

NOTE: Refer to Weight Ratings for Standard & Available Weight Rating Specifications (GVWR/Payload/Spring & GAWR/Base Curb Weight).

NOTE: Specifications and descriptions contained within are based upon the most current information available at the time of release. Content subject to change.

2024 F-150 > Specs > Standard Equipment

F-150 4x4 Pickup

		F-150	F-150 Tremor (late avail.)	F-150 Raptor
POWERTRAIN:				
Engine	Type	2.7L EcoBoost V6	5.0L PFDI V8	High-Output 3.5L EcoBoost V6
Transmission	Type	10-speed automatic with Selectable Drive Modes		
Transfer Case	Type	Electronic shift		
	Low/High Gear Ratio	2.64:1/1.00:1		
AXLES:				
Front	Type	Long-spindle, double-wishbone, coil-over-shock IFS		
	Gross Axle Weight Rating (FGAWR) (lbs.)	3,225	3,600	3,800
Rear	Type	Semi-floating		
	Gross Axle Weight Rating (RGAWR) (lbs.)	3,400	3,800	3,850
BRAKES:				
Front/Rear Disc	Type	Vented with Nitro Tough Iron, twin-piston front and single-piston rear caliper		
	Rotor Diameter — Front/Rear	13.8"/13.7" 350 mm/336 mm		
Anti-Lock Brake System		4-wheel (4-channel with electronic brakeforce distribution)		
Parking Brake, Integrated Electric (rear)		18.5 kN	25.5 kN	
ELECTRICAL:				

Alternator	Rating	200-amp	240-amp	
Battery	Type	Maintenance-free (Battery Saver System standard)		
	Rating	70-AH, 610 CCA; 80-AH, 730 CCA	80-AH, 800 CCA	
Harnesses	Type	3-pin connector		
FUEL TANK:	Capacity	23.0 gal.		36.0 gal.
JACK:	Capacity	2 tons		
STEERING:	Type	Power, rack-and-pinion; electric power-assist		
	Ratio	20.4:1 (122.8" and 141.5" WB) 17.4:1 (145.4", 157.2" and 164.1" WB)	17.4:1	16.1:1 (35" tire) 16.0:1 (37" tire)
SUSPENSION:				
Frame	Type	Fully boxed, modular high-strength steel with 8 crossmembers that are welded on both sides		
	Section Modulus (cu. in.)	See frame specifications		
Springs, Front	Type	Coil, computer selected		
Springs, Rear	Type	Leaf, two-stage variable-rate, computer selected		Coil, computer selected
Shock Absorbers	Gas-pressurized — Front/Rear	Monotube/monotube 1.1"/1.1" 28 mm/28 mm	Monotube/twin-tube 1.10"/1.26" 28 mm/32 mm	Monotube/twin-tube electronically controlled with external reservoir 0.875"/0.875" 22 mm/22 mm
Stabilizer Bar	Position/Diameter/Type	Front/25.4 mm/hollow	Front/27.0 mm/solid	
TIRES:	Type	Steel-belted radial all-terrain		
	Size	Four 235/75R17	Four 275/70R18 (33") AT/X	Five LT315/70R17 (35")
	Spare Tire Carrier	Rear underframe, winch-type with safety catch (locking-type, lock cylinder in rear bumper opened by ignition key)		
WHEELS:	Type and Size	Four 17" x 7.5" gray styled steel	Four 18" x 7.5" cast aluminum	Five 17" x 8.5" cast aluminum

PERFORMANCE NOTE: Horsepower and torque are independent attributes, and may not be achieved simultaneously.

NOTE: Refer to Weight Ratings for Standard & Available Weight Rating Specifications (GVWR/Payload/Spring & GAWR/Base Curb Weight).

NOTE: Specifications and descriptions contained within are based upon the most current information available at the time of release. Content subject to change.

2024 F-150 > Specs

Powertrain

Automatic Transmission
Cooling System Specifications
Engine
Fuel System Data
Transfer Case Specifications

2024 F-150 > Specs > Powertrain

Cooling System Specifications

Engine	Radiator Usage	Frontal Area[(1)] (sq. cm)	Core Size (mm)	Rows of Tubes	Fins Per Inch	Cooling System Cap. (liters)	Fans

			Height	Width	Core				Diameter (left/right; mm)	No. of Blades (left/right)
2.7L EcoBoost V6	Standard	4,000	454.3	880	26	56	75	14.3	375/395	5/7
	Trailer Tow(2)	4,000	454.3	880	32	56	75			
5.0L PFDI V8	Standard	4,000	454.3	880	26	56	75	12.5	375/395	5/7
3.5L EcoBoost V6	Standard	4,000	454.3	880	26	56	75	13.5	375/395	5/7
	Trailer Tow(3)	4,000	457.4	880	28	61	85			
3.5L PowerBoost V6 Full Hybrid	Standard	4,000	457.4	880	28	61	85	14.5	375/395	5/7
High-Output 3.5L EcoBoost V6 (Raptor)	Standard	4,000	454.3	880	32	56	75	14.75	375/395	5
5.2L Supercharged V8 (Raptor R)	Standard	4,000	454.3	880	32	56	75	12.5	375/395	5/7

(1) Based on front face area of the radiator.

(2) Trailer tow class Heavy CICAE.

(3) Trailer tow class Heavy CICAE, Max CICAP and SuperMax CICAQ.

NOTE: Specifications and descriptions contained within are based upon the most current information available at the time of release. Content subject to change.

2024 F-150 > Specs > Powertrain

Engine

Driveline Layout					Front engine, 4x4	
Engine Type	2.7L EcoBoost V6	5.0L PFDI V8	3.5L EcoBoost V6	3.5L PowerBoost Full Hybrid V6	High-Output 3.5L EcoBoost V6	5.2L Supercharged V8
Displacement (liters/cu. in.)	2.7/165	5.0/307	3.5/214	3.5/214	3.5/214	5.2/315
Horsepower @ rpm	325 @ 5,500	400 @ 6,000	400 @ 6,000	430 @ 6,000(1)	450 @ 5,850(2)	720 @ 6,650(2)
Torque (lb.-ft. @ rpm)	400 @ 3,500	410 @ 4,250	500 @ 3,100	570 @ 3,000(1)	510 @ 3,000(2)	640 @ 4,300(2)
Compression Ratio	10.0:1	12.0:1	10.5:1	10.5:1	10.5:1	9.5:1
Valvetrain	DOHC					
Valve Operation	Roller finger follower					
Bore & Stroke (in.)	3.27 x 3.27	3.63 x 3.65	3.64 x 3.41	3.64 x 3.41	3.64 x 3.41	3.70 x 3.67
Main Bearings	4	5	4	4	4	5
Induction	Twin turbocharged	Naturally aspirated	Twin turbocharged			Supercharged
Fuel System	Port Fuel Direct-Injection (PFDI) dual system					Sequential multiport (PFI)
Fuel Requirement	87 octane (min.)				Premium unleaded 91+ (rec.)	

(1) Calculated via combined performance of the engine and electric motor with peak battery power. The calculations utilize SAE J1349® engine results and Ford electric motor dyno testing. Your results may vary.

(2) Horsepower and torque ratings based on premium fuel per SAE J1349® standard. Your results may vary.

NOTE: Specifications and descriptions contained within are based upon the most current information available at the time of release. Content subject to change.

2024 F-150 > Specs > Powertrain

Fuel System Data

Fuel Injection	All Engines	Port Fuel/Direct-Injection (PFDI)
Fuel Pump	Single Electric In-Tank High-Pressure	
	In-Tank Electric High-Pressure Engine-Mounted Booster	
Fuel Filter	All Engines	In-Tank Lifetime
Air Cleaner	All Engines	Dry Element, Replaceable

NOTE: Specifications and descriptions contained within are based upon the most current information available at the time of release. Content subject to change.

2024 F-150 > Specs > Powertrain

Automatic Transmission

Make/Type	Ford 10-Speed Automatic Overdrive (10R80)
Engine	All
Ratios (to 1)	
1st	4.70
2nd	2.99
3rd	2.15
4th	1.78
5th	1.52
6th	1.26
7th	1.00
8th	0.85
9th	0.69
10th	0.64
Reverse	4.87
Converter Size (mm) and Type	260 with turbine damper
Converter Stall Ratio	1.82:1
Lubricant Capacity (qts./liters)	13.2/12.5 (base powertrains) 13.7/13.0 (Raptor only)
Planetary	Simple (4)
Helical Gears	All
Oil Cooler	Raptor only — 6-channel
Speed Sensor System	Yes with (4) internal speed sensors

Fully Electronic Shift Scheduling	Yes
Weight (lbs.; Fluid)	234 (4x2)/231 (4x4)

NOTE: Specifications and descriptions contained within are based upon the most current information available at the time of release. Content subject to change.

2024 F-150 > Specs > Powertrain

Transfer Case Specifications

Shift Type	Electric Shift-on-the-Fly (ESOF)/ 2-Speed Automatic Four-wheel Drive (4WD)	Electric Shift-on-the-Fly (ESOF)/2-Speed Automatic with Mechanical Locking Four-Wheel Drive (4WD)
Gear Type	2-Speed Planetary Gears	
Lubricant Capacity (liters)	1.3	1.5
Gear Ratio — High	1.00:1	
Gear Ratio — Low	2.64:1	
Case Material	Magnesium	

NOTE: Specifications and descriptions contained within are based upon the most current information available at the time of release. Content subject to change.

2024 F-150 > Specs

Chassis

Brake System Specifications
Frame Specifications
Front Axle Specifications
Rear Axle Specifications
Rear Axle Specifications — Raptor
Shock Absorber Specifications
Shock Absorber Specifications — Raptor
Spring Specifications — Front Coil
Spring Specifications — Raptor Rear Coil
Spring Specifications — Rear Leaf
Steering
Tire Specifications
Wheel Specifications

2024 F-150 > Specs > Chassis

Front Axle Specifications

Series/Model		F-150 4x2	F-150 4x4	F-150 Raptor 4x4
Type		Long-spindle double-wishbone, coil-over-shock independent front suspension		
Gross Axle Weight Rating (FGAWR) (lbs.)		3,000-3,450	3,150-3,900	3,800-3,900
Upper Control Arm	Material	Stamped steel		Forged steel
Lower Control Arm	Material	Stamped steel		Cast aluminum
Spring	Type	Coil-over-shock, computer selected		
Ball Joints		Lubed-for-life		
Spindle	Material	Cast-aluminum body with forged steel stem		
Wheel Bearings	Type	Self-retained tapered roller (GEN II cartridge)		

NOTE: Specifications and descriptions contained within are based upon the most current information available at the time of release. Content subject to change.

2024 F-150 > Specs > Chassis

Rear Axle Specifications

Series/Model		F-150 4x2			F-150 4x4		
Gross Axle Weight Rating (RGAWR) (lbs.)		3,400-3,800	3,800-4,050	4,800(1)	3,400-3,800	3,800-4,050	4,800(1)
Make		Standard/electronic-locking		Electronic-locking	Standard/Electronic-locking		Electronic-locking
Axle Ratios (:1)		3.15, 3.31, 3.55, 3.73	3.31, 3.55, 3.73	3.55, 3.73	3.15, 3.31, 3.55, 3.73	3.31, 3.55, 3.73	3.55, 3.73
Ring Gear	Pitch Diameter (in.)	8.80	9.75	9.75HD	8.80	9.75	9.75HD
Housing	Type	Cast center					
	Cover Attachment	Bolted					
	Cover Seal Method	RTV silicone	Gasket		RTV silicone	Gasket	
Lubricant Capacity (pt.)		4.0–4.15	5.5–5.65		4.0–4.15	5.5–5.65	
Wheel Bearings	Type	Straight roller		Tapered roller	Straight roller		Tapered roller
Gears	Type	Hypoid					
	Material	Alloy steel					
Pinion	Mounting	Overhung					
Differential	Type	2-pinion					
	Bearings	Tapered roller					

(1) With Tow/Haul Package.

NOTE: Specifications and descriptions contained within are based upon the most current information available at the time of release. Content subject to change.

2024 F-150 > Specs > Chassis

Rear Axle Specifications — Raptor

Series/Model		F-150 Raptor 4x4
Gross Axle Weight Rating (RGAWR) (lbs.; at ground 35"/37" tire)		3,850-3,925
Make		Electronic-locking
Axle Ratios (:1)		4.10
Ring Gear	Pitch Diameter (in.)	9.75HD
Housing	Type	Cast center
	Cover Attachment	Bolted

	Cover Seal Method	Gasket
Lubricant Capacity (pt.)		5.5–5.65
Wheel Bearings	Type	Straight roller
Gears	Type	Hypoid
	Material	Alloy steel
Pinion	Mounting	Overhung
Differential	Type	2-pinion
	Bearings	Tapered roller

NOTE: Specifications and descriptions contained within are based upon the most current information available at the time of release. Content subject to change.

2024 F-150 > Specs > Chassis

Brake System Specifications

	Standard	Heavy-Duty (incl. Raptor)	With Heavy-Duty Payload or Max Trailer Tow Package
Description	Power vented disc with Anti-Lock Brake System (ABS), electronically controlled brake boost and Automatic Emergency Braking (AEB)		
Front Specifications			
Rotor Material	Nitro Tough Iron		
Rotor Size (dia. x thickness) (mm)	350 x 34		
Swept Area (sq. mm)	51,547		
Caliper Description	Sliding-caliper, dual-piston		
Caliper Piston Dia. (x2; mm)	51		
Rear			
Rotor Material	Nitro Tough Iron		
Rotor Size (dia. x thickness) (mm)	336 x 20		350 x 24
Caliper Description	Sliding-caliper, single-piston with electric integrated parking brake (eIPB)		
Caliper Piston Dia. (mm)	54/2.13		
Swept Area (sq. mm)	40,998		42,997
Electric Parking Brake Rating (kN)	18.5	25.5	

NOTE: Specifications and descriptions contained within are based upon the most current information available at the time of release. Content subject to change.

2024 F-150 > Specs > Chassis

Frame Specifications

Model	Wheelbase (in.)	No. of Crossmembers	Maximum Side Rail Section (in.)	Section Modulus (cu. in.)	Yield Strength (psi)
Regular Cab 4x2	122.8	8	9.06 x 3.58 x .087 (LD) 9.06 x 3.58 x .094 (HD)	4.73 5.14	34,800 34,800

	141.5	8	9.06 x 3.58 x .087 (LD) 9.06 x 3.58 x .102 (HD/HPP)	4.73 5.55	49,300 49,300
Regular Cab 4x4	122.8	8	9.06 x 3.58 x .087 (LD) 9.06 x 3.58 x .094 (HD)	4.73 5.14	34,800 34,800
	141.5	8	9.06 x 3.58 x .102 (HD/HPP)	5.55	49,300
SuperCab 4x2	145.4	8	9.06 x 3.58 x .087 (LD) 9.06 x 3.58 x .094 (HD)	4.73 5.14	49,300 49,300
SuperCab 4x4	145.4	8	9.06 x 3.58 x .094 (HD)	5.14	49,300
SuperCrew 4x2	145.4	8	9.06 x 3.58 x .094 (HD) 9.06 x 3.58 x .102 (HPP)	5.25 5.67	49,300 49,300
SuperCrew 4x4	145.4/145.6 Tremor (late avail.)	8	9.06 x 3.58 x .094 (HD) 9.06 x 3.58 x .102 (HPP)	5.25 5.67	49,300 49,300
Raptor SuperCrew 4x4	145.4	8	9.06 x 3.58 x .102	5.86	49,300
SuperCrew 4x2	157.2	8	9.06 x 3.58 x .102 (HPP)	5.55	49,300
SuperCrew 4x4	157.2	8	9.06 x 3.58 x .094 (HD) 9.06 x 3.58 x .102 (HPP)	5.14 5.55	49,300 49,300
SuperCab 4x2	164.1	8	9.06 x 3.58 x .11 (HD/HPP)	5.96	49,300
SuperCab 4x4	164.1	8	9.06 x 3.58 x .11 (HD/HPP)	5.96	49,300

NOTE: Specifications and descriptions contained within are based upon the most current information available at the time of release. Content subject to change.

2024 F-150 > Specs > Chassis

Shock Absorber Specifications

Usage	Front			Rear		
	No. Used	Piston Dia.	Type	No. Used	Piston Dia.	Type
Standard	2	28 mm/1.10 in.	Monotube gas-pressurized	2	28 mm/1.10 in 32 mm/1.26 in.	Monotube gas-pressurized Twin-tube gas-pressurized

NOTE: Specifications and descriptions contained within are based upon the most current information available at the time of release. Content subject to change.

2024 F-150 > Specs > Chassis

Shock Absorber Specifications — Raptor

Front			Rear		
Piston Dia. (in.)	Rod Dia. (in.)	Type	Piston Dia. (in.)	Rod Dia. (in.)	Type
2.5	.0.875	Position-sensitive, electronically controlled compression, gas-pressurized monotube FOX™ shocks with 3.1" body (35" tire)	2.5	.0.875	Position-sensitive, electronically controlled compression, monotube FOX shocks with 3.1" body (35" tire)

		NOTE: 37" tire adds electronically controlled rebound control			**NOTE:** 37" tire adds electronically controlled rebound control

CREDIT LINE:

FOX is a trademark of FOX Factory Inc.

NOTE: Specifications and descriptions contained within are based upon the most current information available at the time of release. Content subject to change.

2024 F-150 > Specs > Chassis

Spring Specifications — Front Coil

Model	Combined Rating @ Ground (lbs.)	Normal Working Height of Spring (in.)	Inside Dia. (in.)	Wire Dia. (in.)	Deflection Rate @ Ground (lbs. per in. ea.)
4x2/4x4[(1)]	2,850	12.0	3.79	.619	314
	3,000	12.0	3.79	.640	354
	3,150	12.0	3.79	.659	394
	3,225	12.0	3.79	.678	434
	3,300	12.0	3.79	.678	434
	3,375	12.0	3.79	.695	474
	3,450	12.0	3.79	.695	474
	3,525	12.0	3.79	.712	514
	3,600	12.0	3.79	.712	514
	3,750	12.0	3.79	.727	554
Raptor SuperCrew 4x4	3,800 (std. and Raptor 37 3,900 (Raptor R)	14.3 14.3	3.75 3.75	.799 .799	600 628

(1) Except Tow/Haul Package.

NOTE: Specifications and descriptions contained within are based upon the most current information available at the time of release. Content subject to change.

2024 F-150 > Specs > Chassis

Spring Specifications — Raptor Rear Coil

Model	Combined RGAWR Rating (lbs.)	Curb Height of Spring (in.)	Inside Dia. (in.)	Wire Dia. (in.)	Spring Rate (lb./in.)
SuperCrew 4x4	3,850 (std.) 3,900 (Raptor 37) 3,925 (Raptor R)	14.7	5.50	0.670	63/148/223

NOTE: Specifications and descriptions contained within are based upon the most current information available at the time of release. Content subject to change.

2024 F-150 > Specs > Chassis

Spring Specifications — Rear Leaf

Comb. Rating @ Ground (lbs.)	Number of Leaves	Total Thickness @ Pad (in.)	Flat Length(1) (in.)	Width (in.)	Deflection Rate (lbs. per in./spring)
3,400	2	1.9	61.5	3.0	219.8/325.5
3,800	2	1.9	61.5	3.0	219.8/388.3
4,050/4,150	3	1.6	61.5	3.0	247/388

(1) Length measured at bushings, center to center.

NOTE: Specifications and descriptions contained within are based upon the most current information available at the time of release. Content subject to change.

2024 F-150 > Specs > Chassis

Steering

Cab	Wheelbase (in.)	Rack-and-Pinion Power Steering(1)		Turning Diameter Curb-to-Curb (ft.)
		Rack Speed (mm per Revolution)	Vehicle Steering Ratio	
Regular	122.8	45.7	20.4:1	41.2
	141.5	45.7	20.4:1	46.4
SuperCab	145.4	54.5	17.4:1	47.8
	164.1	54.5	17.4:1	52.5
SuperCrew	145.4 and 145.6 (Tremor)	54.5	17.4:1	47.8
	145.4 (Raptor with 35" tire)	58.5	16.1:1	47.9
	145.4 (Raptor with 35" tire)	58.5	16.0:1	50.2
	157.2	54.5	17.4:1	51.1

(1) All gears include nibble damper.

NOTE: Specifications and descriptions contained within are based upon the most current information available at the time of release. Content subject to change.

2024 F-150 > Specs > Chassis

Tire Specifications

Size	Rim Width (in.)	Section Width (in.)	Static Loaded Radius (in.)
245/70R17 110T A/S	7.5	9.84	13.47
265/70R17 115T A/T	7.5	10.58	13.79
265/60R18 110T A/S (T82)	7.5	10.68	13.48
275/65R18 116T A/T	7.5 and 8.5	10.89	14.28

275/50R22 115H A/S	8.5	10.90	14.98
275/65R18 116T A/T (T88)	7.5	10.86	14.18
275/60R20 115H A/S (T22)	8.5	11.40	14.95
275/60R20 115T A/T (T24)	8.5	10.79	14.49
275/60R20 115T A/T (T2P)	8.5	11.10	14.75
LT265/70R17C 112/109S A/T (T7C)	8.5	10.77	14.62
LT315/70R17 (35") A/T (Load Range “C”- 113T) (Raptor)	8.5	12.5	15.80
37x12.50R17LT A/T (Load Range “C”- 116S) (Raptor)	8.5	12.1	16.40
275/70R18 A/T (Tremor)	7.5	11.03	14.96
LT265/70R18C 113/109S A/T (T8C)	7.5 and 8.5	10.53	15.14

NOTE: Specifications and descriptions contained within are based upon the most current information available at the time of release. Content subject to change.

2024 F-150 > Specs > Chassis

Wheel Specifications

Wheel Type	Wheel Size (in.)	Inset (in./mm)	No. of Studs	Bolt Circle (in./mm)	Maximum Wheel Capacity Load Front/Rear (lbs.)
Cast aluminum (64B)	17 x 8.5	1.3/34	6	5.3/135	1,900/1,925
Forged-aluminum, beadlock-capable (64D)	17 x 8.5	1.3/34	6	5.3/135	1,900/1,925
"Raptor 37" forged-aluminum, beadlock-capable (68R)	17 x 8.5	1.2/30	6	5.3/135	1,900/1,925
Silver-painted steel (64C)	17 x 7.5	1.73/44	6	5.3/135	2,025/2,249
Silver-painted aluminum (64F)	17 x 7.5	1.73/44	6	5.3/135	2,025/2,249
6-spoke aluminum with gloss black-painted pockets (64X) and Magnetic-painted pockets (64R)	18 x 8.5	1.73/44	6	5.3/135	2,025/2,249
Chrome-like PVD aluminum (64T)	18 x 7.5	1.73/44	6	5.3/135	2,025/2,249
18" aluminum with Dark Matte finish (Tremor only)	18 x 7.5	1.73/44	6	5.3/135	2,025/2,249
6-spoke machined aluminum with Magnetic-painted pockets (642)	20 x 8.5	1.73/44	6	5.3/135	1,875/2,083
Machined aluminum with Light Caribou-painted pockets (64G)	20 x 8.5	1.73/44	6	5.3/135	2,025/2,249
Chrome-like PVD aluminum (64L)	20 x 8.5	1.73/44	6	5.3/135	2,025/2,249
6-spoke Dark Alloy-painted aluminum (64S)	20 x 8.5	1.73/44	6	5.3/135	2,025/2,249
Polished aluminum (64P)	20 x 8.5	1.73/44	6	5.3/135	2,025/2,249
Polished aluminum (64Z)	22 x 8.5	1.73/44	6	5.3/135	1,950/2,166

NOTE: Specifications and descriptions contained within are based upon the most current information available at the time of release. Content subject to change.

2024 F-150 > Specs

Special Applications

Completed Vehicle Weight
Electrical Connections
Front-End Wheel Alignment and Headlamp Aim
Trailer Towing/Camper Information

2024 F-150 > Specs > Special Applications

Trailer Towing/Camper Information

For additional towing information, refer to the RV & Trailer Towing Guide, available as a printable PDF on **eSourceBook** or the vehicle Owner's Manual for more information.

2024 F-150 > Specs > Special Applications

Completed Vehicle Weight

The weight of the completed vehicle with equipment installed (and second unit body, if applicable) must not exceed the Front GAWR, Rear GAWR or GVWR established by Ford. If sufficient weight is added such that the completed vehicle with a driver and more than one passenger would exceed Front GAWR, Rear GAWR or GVWR, it is the responsibility of the equipment installer to notify the customer of the appropriate use restrictions (i.e., that the user should limit occupancy of the vehicle to the driver and one passenger while the equipment is installed). The addition of ballast weight, placed rearward of the rear axle, may be required to prevent front-end overloading or exceeding Front GAWR. If required, the ballast weight must be securely attached to the vehicle. For Ford completed vehicles of 10,000 lbs. GVWR or less, the weight of permanently attached equipment must not exceed the Total Accessory Reserve Capacity (TARC) as specified on the Safety Compliance Certification Label. Exceeding TARC will require recertification.

2024 F-150 > Specs > Special Applications

Front-End Wheel Alignment and Headlamp Aim

Front-end wheel alignment (toe) and headlamp aim may require adjustment after installation of equipment, and is the responsibility of the equipment installer. Failure to reset front wheel alignment may cause premature, uneven tire wear. If required, reset to chassis manufacturer's specifications found in the Ford Shop Manual.

2024 F-150 > Specs > Special Applications

Electrical Connections

Installation of any inductive load devices (i.e., electric motors, electric clutches for clutch pumps, etc.) MUST NOT be connected to OEM wiring or fuse panels. Power for such devices should be taken directly from the battery or starter motor relay power terminal. Control of these devices should be achieved via relays. No direct current path should exist between OEM wiring and the installed load that is not filtered by the battery. These recommendations are intended to reduce or eliminate any induced reverse voltage into the OEM circuitry.

2024 F-150 > Specs

Electrical

200-Amperes Alternator
240-Amperes Alternator
Alternator Specifications
Battery Applications
Cold Weather Recommendations
Light Specifications and Usage
Standard Lighting/Reflector Equipment
Trailer Towing Wiring Harness

2024 F-150 > Specs > Electrical

Alternator Specifications

Output (ampere)[1]	200	240
Output (watts)	2,700	3,240

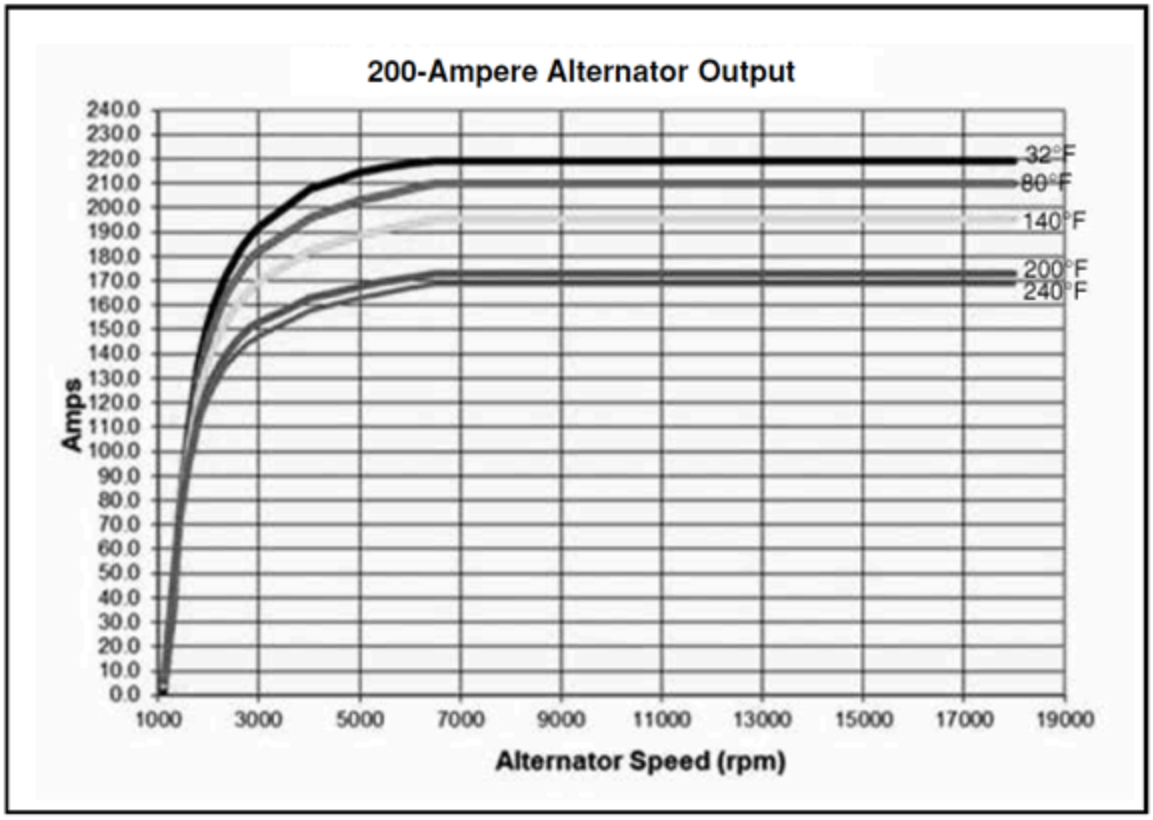
(1) Actual output is temperature- and application-dependent.

NOTE: Specifications and descriptions contained within are based upon the most current information available at the time of release. Content subject to change.

2024 F-150 > Specs > Electrical > Alternator Performance Curves

200-Amperes Alternator

Engine	Pulley Ratio	Model Application
2.7L EcoBoost V6, 3.5L EcoBoost V6	2.67:1	XL, STX and XLT
5.0L PFDI V8	2.81:1	XL, STX and XLT

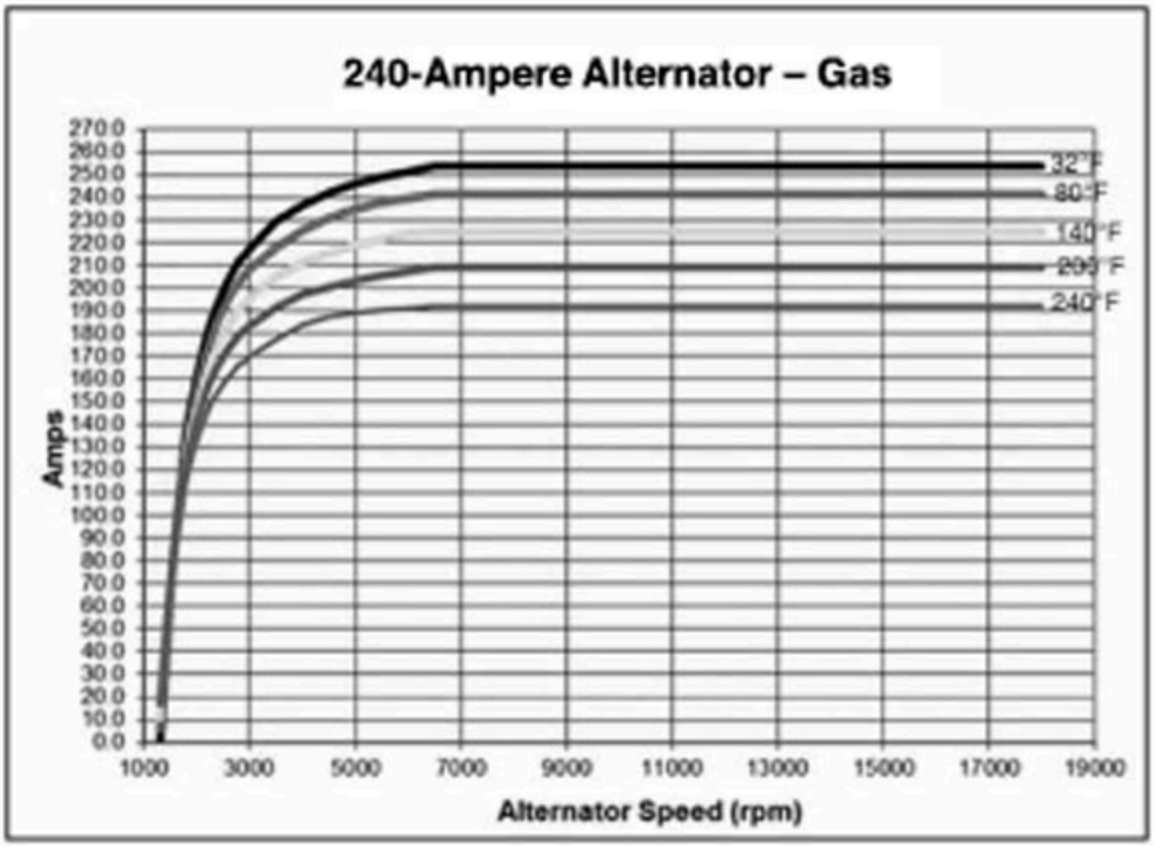


NOTE: Specifications and descriptions contained within are based upon the most current information available at the time of release. Content subject to change.

2024 F-150 > Specs > Electrical > Alternator Performance Curves

240-Amperes Alternator

Engine	Pulley Ratio	Model Application
3.5L EcoBoost V6	2.67:1	LARIAT, King Ranch,® Platinum and Tremor
High-Output 3.5L EcoBoost V6	2.67:1	Raptor
5.0L PFDI V8	2.81:1	LARIAT and Tremor
5.2L Supercharged V8	TBA	Raptor R (803A)



NOTE: Specifications and descriptions contained within are based upon the most current information available at the time of release. Content subject to change.

2024 F-150 > Specs > Electrical

Battery Applications

Ampere-Hour Rating	**70**	**80**
Cold-Cranking Amps at 0°F	**760**	**800**
2.7L EcoBoost V6	XL/STX/XLT(1)	LARIAT(1)
3.5L EcoBoost V6	XL/XLT(1)	LARIAT/King Ranch®/Platinum/Tremor(1)
3.5L PowerBoost Full Hybrid V6	—	All(1)(2)
High-Output 3.5L EcoBoost V6	—	Raptor
5.2L Supercharged V8	—	Raptor R (803A)
Cold-Cranking Amps at 0°F	**610**	**730**
5.0L PFDI V8	XL/STX/XLT	LARIAT/King Ranch/Platinum

(1) Absorbent Glass Mat (AGM) battery.

(2) 3.5L PowerBoost Full Hybrid V6 includes a 7.5AH auxiliary battery for transient load support during rolling engine crank events.

NOTE: Specifications and descriptions contained within are based upon the most current information available at the time of release. Content subject to change.

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Cold Weather Recommendations

Minimum Temperature	Equipment	
	HD Battery	Engine Block Heater
0° F	Suggested	Not Needed
-10° F	Recommended	Suggested
-20° F	Recommended	Recommended
Below -20° F	Strongly Recommended	Strongly Recommended

DEFINITIONS

Suggested: Helpful, but not needed.

Recommended: Could improve reliability in less-than-ideal conditions.

Strongly Recommended: Will give definite improvement over the standard components.

HD Battery: Higher-capacity battery available. (Usage varies by model.)

Engine Block Heater: Available equipment for all engines. (Usage and heater capacity vary with engine requirements.)

NOTE: Specifications and descriptions contained within are based upon the most current information available at the time of release. Content subject to change.

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Standard Lighting/Reflector Equipment

Light Reflector	Application
Headlamps (LED)	All Series
Parking Lamps	All Series — Integral with turn signals
Front/Rear Turn Signals	All Series
Front Side Marker Lamps	All Series
Front Side Reflectors	All Series
Rear Side Reflectors	All Series
Rear Side Marker Lamps	All Series — integral with taillamps
License Plate Lamps	All Series
Two Combination Taillamps with Integral Stop, Turn Signal and Backup Lamps and Reflective Surface	All Series
Rear Reflectors	All Series
Front Daytime Running Lamps	All Vehicles Registered in Canada

NOTE: Specifications and descriptions contained within are based upon the most current information available at the time of release. Content subject to change.

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Light Specifications and Usage

Lamp	Code	Description	Usage
Cab Marker (five lights) — Amber	STD	Torpedo, Hella	All Model Series
Daytime Running Lamps	STD	(Two) Replaceable Bulbs, Halogen	All Vehicles Registered in Canada
Headlamps	STD	(Two) Replaceable Bulbs, Halogen	All Vehicles Registered in U.S. and Canada

NOTE: Specifications and descriptions contained within are based upon the most current information available at the time of release. Content subject to change.

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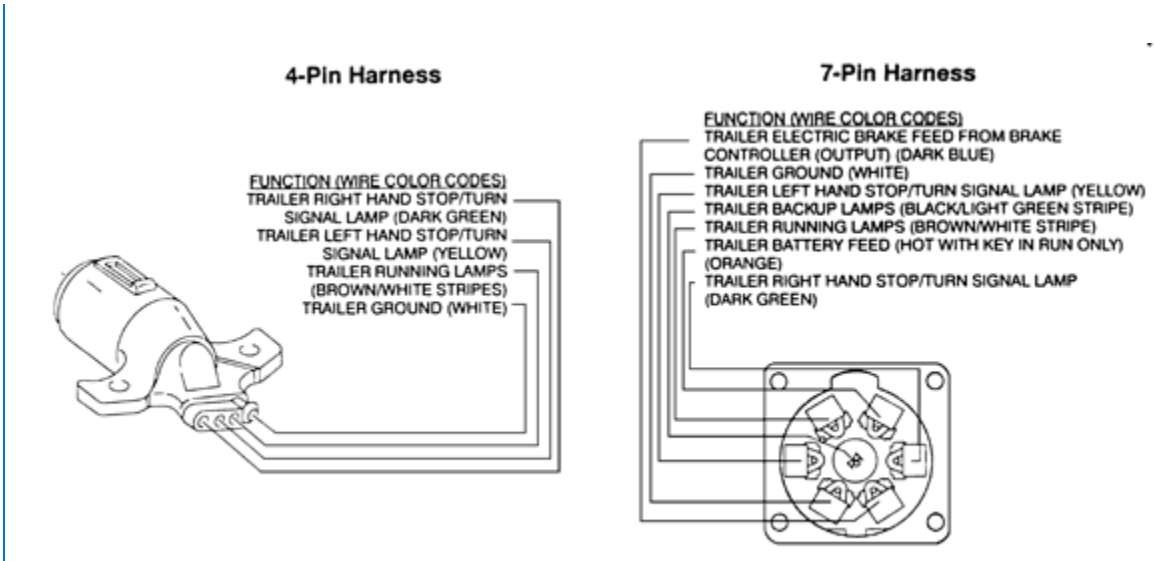
Trailer Towing Wiring Harness

Circuit Number	Circuit Description	Color Code
RAT08	Ground	White
CAT17	Parking Lamps	Brown
CAT14	Trailer Battery Feed	Orange
CAT19	To Electric Brakes	Dark Blue
CAT09	RH Turn Signal and Stop Lamps	Dark Green
CAT06	LH Turn Signal and Stop Lamps	Yellow
CAT03/CAT16	Trailer Backup Lamps	Gray with Brown Stripe
CBP30	Front Brake Controller Running Lamp Feed/Park Lamp Feed	Yellow with Blue Stripe
CBP40	Rear Brake Controller Running Lamp Feed/Park Lamp Feed	Yellow with Green Stripe
CLS30	Brake Controller Running Lamp Feed/Park Lamp Feed	Violet with White Stripe
CCB08	Vehicle Stop Lamps	Violet with White Stripe
SBB18/SBB17	B+ to Electric Brake Controller	Yellow with Red Stripe


4-Pin Harness
FUNCTION (WIRE COLOR CODES)
TRAILER RIGHT HAND STOP/TURN SIGNAL LAMP (DARK GREEN)
TRAILER LEFT HAND STOP/TURN SIGNAL LAMP (YELLOW)
TRAILER RUNNING LAMPS (BROWN/WHITE STRIPES)
TRAILER GROUND (WHITE)
7-Pin Harness
FUNCTION (WIRE COLOR CODES)
TRAILER ELECTRIC BRAKE FEED FROM BRAKE CONTROLLER (OUTPUT) (DARK BLUE)
TRAILER GROUND (WHITE)
TRAILER LEFT HAND STOP/TURN SIGNAL LAMP (YELLOW)
TRAILER BACKUP LAMPS (BLACK/LIGHT GREEN STRIPE)
TRAILER RUNNING LAMPS (BROWN/WHITE STRIPE)
TRAILER BATTERY FEED (HOT WITH KEY IN RUN ONLY) (ORANGE)
TRAILER RIGHT HAND STOP/TURN SIGNAL LAMP (DARK GREEN)

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